THE PASSING LANE

March - April 2011

Front Wheel Drive and All Wheel Drive Volvos 1993-2011

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IN THIS ISSUE:

Garage Sale News pg 3

Scotts 2001 XC70 Project Update pg 4

VCOA Membership pg 5

Spark Plug Gapping pg 6

Forgotten Tune Up Items pg 10

ipd Oil Caps pg 15

Also: Sale Pricing

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Promotions expire May 6, 2011

Infrared Temp Sensor #T1021
SALE $49.95

The Volvo bug first bit me in 2008 whilst living in Belgium, when I was given a reliable green 1995 850GL by my father in law to drive around France for a road trip. New to wagons, I found the versatility of extra cabin space blended with an undeniable safety record impossible to resist. After my last car was written off due to freeway accident, I headed straight to Volvo and did some test-drives. I fell in love with the 2004 V70R but it was financially out of reach. Then I came across a beautiful blue 2002 V70XC Ocean Race edition and invested immediate interest. Unfortunately I was too late as it was sold before I could negotiate a formal offer. A second Ocean Race edition became available interstate and I swooped, again only to receive a 'déjà-vu' experience. Third time lucky. I received a phone call from the second dealer who had just taken delivery of a very rare loaded factory manual 2002 XC70 that had originally been a special order from Sweden. Needless to say, I put down a deposit and secured it immediately. I bought the car and had it shipped on a 2-week journey across Australia. Mission accomplished.

After previously owned a daily driver, full race built EK Civic Type R, 2 Lexus/Toyota Soarer SC400, a highly modified 400hp Toyota Lexus/SC400 with Adaptronic, Supercharged and Intercooled, modifying a Volvo to a satisfying level of performance was going to be a real challenge. Having tasted success on the racing track with the Civic and with a collection of high-powered V8s behind me, why Volvo? Why not.

My first intentions were to have a car you shouldn't touch. I mean, why would you want to modify a Volvo. Its something rarely done, its different and unique in a land saturated by heavy 6litre v8s and Japanese imports, who could argue. It is true, Volvos are synonymous with going slow in the fast lane, annoying other motorists with straw hats and with no intention to reach the highway speed limit. People always comment about thinking outside the square, I thought about thinking inside the square for a change. If I am going to pull this off, I need this XC70 to keep its original Swedish good looks but with the element of surprise.

First, I have learned Volvos do not like to be modified. They tend to have that annoying electrical gremlin that surfaces each time you try touch something. Having said, the principles of tuning still remain. With an XC70 pre equipped with factory upgrades such as sunroof, full powered driver and passengers seats, HU-803 with centre speaker, rear spoiler and LE mir-

continued on page 2

rors, I had a good platform to begin with. The very first aftermarket modification part for my XC70 was an iPd Heavy Duty Turbo Control Valve. Pleased with the results and positive support from iPd's Rob 'Lucky' Arnold, I later bought an iPd Heavy Duty Compressor Bypass Valve and several items from another tuning company EVOLVE.

My primary aim is to keep my XC70 a cross country but with the power and performance of a V70R. As both cars share similar looks, the R has been treated with a bag of cosmetics that actually work. Who can resist the big Brembo brakes, 300hp KKK24 turbo and Xenon headlights and better suspension. Everything is compatible right? Well not everything.

After installing a costly set EVOLVE V70R sport springs to lower the stance of the XC70, the rear became too low and the camber was so far out I needed new rear tyres within 3 weeks. Then my front right shock absorber blew. Needless to say, I paid the price for incorrect advice on the springs resulting in the added expense of reinstalling the stock rear springs. The fronts were again removed and rebuilt with new struts, XC90 seats and the EVOLVE springs.

As a designer by profession, I like things to be different. I want my XC70 to be different but I became attached to the gorgeous interior looks of the R. Having decided not to fully clone the R into an XC because it would be too expensive and silly, I put a clear limit on parts to exchange. First, I sought a rare blue V70R instrument cluster from Ameri-

Car:

- *2002 Volvo XC70*
- *2.4L AWD with TD04-HL13G Turbo*
- *Lifestyle Edition with M58 Manual gearbox (only one in Western Australia)*
- *(Special Volvo factory order from Sweden)*

Upgrades:

- *Dolby Pro Logic II HU-803 Head unit + centre dash speaker*
- *Full powered passenger seat*
- *sport mirrors*
- *Sunroof*
- *Rear spoiler*

Mods:

- *AUTOTECH / EVOLVE Stage 4 tune + OBD software tuning tool. 300hp+ / 450+ Nm Torque.*
- *TD04 HL16T turbo*
- *IPD-USA Compressor Bypass Valve*
- *IPD-USA Turbo Control Valve*
- *IPD-USA silicone Turbo breather hoses*
- *V70R downpipe*
- *V70R white 350cc injectors*
- *V70R blue engine covers*
- *V70R Blue R instrument cluster w custom LED back lighting.*
- *S60R 18" Pegasus Rims*
- *EVOLVE AMS (racing V70R intake system)*
- *EVOLVE V70R sport springs with XC90 strut seats*
- *R Kelly additional Intake mod*
- *Bridgestone Potenza RE050A rubber*
- *Philips 6000K HID headlights*
- *Euro silver roof rails*
- *1kw 12v power inverter*
- *EST chrome head unit dial surrounds*
- *Euro plate surrounds*
- *Wood interior trim treatment*
- *Limo tinted windows*

Waiting to be installed:

- *EVOLVE bonnet grills*
- *2008 Active Bi-Xenon headlights*
- *S60R steering wheel*

Future Plans:

- *Colour code and paint plastic bumper pieces*
- *iPd R boost gauge*
- *iPd HD coil packs*
- *V70R Brembo upgrade*
- *S60 AWD rear springs*
- *2005 crystal taillights*
- *Bluepower stereo*
- *Rebuild clutch*

Prices subject to change. See website for most accurate pricing.

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ca. This proved to be a testing mission of patience and persistence as the R cluster needed a plethora of custom work to function in the XC. After about the 20th attempt to have the dials illuminated and functioning to a satisfactory level, I moved to the engine bay. I purchased and installed V70R blue engine covers and had the OTE pipe re sprayed silver. This is where the fun really started.

Early in 2010 I purchased an engine upgrade tuning tool as part of a forum group buy. This was to increase the power from 200hp to 240hp, bringing the XC70 to life. Peter Carvall, the tuning guru from the Swedish company AUTOTECH, built the tune and liaised with me what was needed to have the performance of an R and add some. Lucky from iPd has been consistently helpful with advising what parts I need, supplementary to his informative videos on the ipd website.

I purchased and had installed a bigger V70R down pipe, a higher output TD04L-16T turbo, a set of higher flowing white 350cc injectors, iPd's HD CBV, and a new air intake. Needless to say, this really made a difference. Other cosmetic purchases followed, including a set of 18" S60R Pegasus wheels, EVOLVE AMS and hood vents, a Philips 6000k Xenon headlight kit, EST chrome stereo dials, 3 spoke S60 steering wheel, full wood-grain interior treatment and a 1kw power inverter for the tailgate. I had the roof rails painted in Heavy Duty silver paint and had installed a set of interior LED interior lights and a new fire extinguisher. Over Christmas I took delivery of a set of rare 2007 Active Bi-Xenon headlights but they arrived damaged and need to be fully rebuilt. Another expense I don't need.

Presently, I am testing a 300+ hp stage 4 tune from AUTOTECH, which is handing me some challenges. The 16T turbo is pushing over 20psi and causing a flutter in 4th and 5th gears. Needless to say, first second and third on throttle pulls the Volvo harder than my old v8 and with an estimated 450+ Nm of torque who could argue. The good part is, it still looks like a slow Volvo XC70 and that helps keeping the police off my back.

Wanted: Your Volvo Story

We've increased our customer features lately and we've had great responses from our readers because of it. We'd like to continue to provide the Volvo community with interesting reader content so we are pleading, yes, even begging for articles. If you have a souped up 850 wagon that you want the world to know about or even if you're in the middle of your S70 series project and want to show off your progress, let us know and we'd love to feature you and your ride. If you own a S60 series and have a great trick or tech tip you've discovered, send it on over and we'll share it with our readers.

If one of the items on your bucket list is to be published in one of ipd's famous newsletters, here's your chance. Don't deny it, you know it's there; if it's not, add it now and send in your story so you can check it off your list. Even if you think it's not print worthy, that's okay, let us be the judge of that because we still want to hear your story. Tell us about how you caught the Volvo bug, the remedies you've tried to get rid of it and what finally put you over the edge to finally just give up and let the bug take it's hold.

Some pictures of you and your Volvo would be great to include along with how your experience with ipd went. It would be great to also include any ipd upgrades you've added and how our customer service staff treated you.

We look forward to hearing your story and the opportunity to share it with other sick Volvo lovers who have caught the same bug.

Send submissions to bryan@ipdusa.com

WANTED
YOUR VOLVO STORY
SEND US YOUR VOLVO STORY AND YOU MAY BE
FEATURED IN AN UPCOMING IPD NEWSLETTER
SEND STORIES TO BRYAN@IPDUSA.COM
iPd+

Annual ipd Garage Sale

May 21, 2011 is when the 28th Annual ipd Garage Sale, Swap Meet and Car Show will take place. We look forward to this event each year and we're excited to have games, prizes, giveaways, sale pricing on most of our stock and much more. Doors will open to the ipd sales desk from 9:00am until 1:00pm and the swap meet and car show has been extended to run until 3:00pm. We hope to see you here for this great event.

Garage Sale is 9:00am to 3:00pm Saturday May 21, 2011

To reserve a spot in the swap meet please call us at 800-444-6473 and speak with one of our Customer Service Representatives.

Each year for the car show portion of the Garage Sale event we seek out Volvos that stick out from the crowd. We're looking for Volvo hotrods, restorations, custom jobs, well preserved originals, etc. If you have a Volvo you're interested in showing in the car show that you feel might fit the bill please contact Cameron Daline (cameron@ipdusa.com).

Scott's 2001 XC70 Project Update

By: Scott Hart

Here's the car with the Volvo 2008 accessory Bi-Xenon Projector headlamps installed.

Last spring we wrote a few articles in our newsletter about buying 5-10 year old Volvos for s as daily drivers. Sort of a mini buyers guide of best models and what to look out for etc. In one of the articles we showed photos of two cars we picked up to fix up ourselves, a 2004 V70R that we have been using to develop out stage III kit on and a 2001 XC70 that I wanted to do some minor exterior mods on. The 2004 V70R project was updated in the last newsletter, which you can read about here.

At the time I was already driving a nice 2001 XC70, but was sort of getting bored with it. The one I had was dark blue and didn't lend itself well to graphics and some other exterior mods I wanted to do, so I started hunting for a clean white example. I found one pretty quickly, drove it about a month to make sure it was a good candidate for a project. It seemed decent, so I took it off the road and began the process of modifying it.

First thing was to pull all the XC body cladding off of it and prepare it for paint. The body cladding on the XC models is a neat idea and is the main contributor the bold look, however the cladding has been a bit of a sore spot with XC owners too. As it ages, it discolors and fades out, making the XC's look much older than they are. You can detail the plastic cladding with products like spray on Stoner Trim Shine or wipe on Black Again detailers we sell, but they only last a few weeks before the body trim is looking dull and dreary again.

My plan was to paint all the trim a nice matte titanium metallic color that I had seen on some Mercedes models. This turned out to be way more expensive that I had imagined as the textured XC body cladding all had to be sanded down smooth and primer using a special plastic primer. It came out looking fantastic in my opinion, but cost almost $1600 in paint and labor. Not a feasible solution in my opinion. PS- The body shop that sanded and painted the body cladding said not to send them any customers wanting the same modification done as they said they lost money on it!

I have seen some XC's with painted cladding that wasn't sanded down and it looks OK on some colors, but I wouldn't recommend it on black or other dark colors.

Next, to give my 2001 XC70 a newer appearance I wanted to upgrade the headlights to the style Volvo used from 2005-2007. In the process of searching for a good set of used lights I ran across a photo of an optional Bi-Xenon/Projector headlamp that I hadn't seen before. They were really trick and modern looking and I decided to install a set. That was a learning experience! I learned that although it can be done, it's not worth the trouble and cost in my opinion. They look great, but the performance increase is minimal. You also end up losing the headlamp wipers and the amount of wiring modifications required are very significant. With our resources, I was able to do the conversion for about $1000, however I would estimate that by the time you sourced a good set of used headlamps, modified the wiring harnesses and made the required mounting modifications, it would cost most folks close to $3000.

I also had the wheels, mirrors and grille color matched when we had the body cladding painted and that all came out looking fresh.

Here's the 2005-2007 Style Headlamp

Here's the 2001-2004 Style Headlamp

Prices subject to change. See website for most accurate pricing.

ipdusa.com

Volvo Club of America Teams Up With ipd

When we read in a recent issue of the Volvo Club of America magazine that the club had a goal to double the membership this year, we immediately thought to ourselves that we could help the club out by offering quick and easy sign up through our website and customer service department. Now you can easily and quickly join VCOA simply by asking one of our staff to add a membership anytime you call in to place an order or by adding a membership to your shopping cart on our website. It's just that easy! On the ipd website, look for the Membership sign up option under the "Universal Products" category.

The Volvo Club of Americas bi-monthly full color publication "Rolling" features helpful tech tips and how to articles on common Volvo issues as well as interesting and inspiring stories on Volvos and the people who drive them. Regional chapter events and reports are also included along with several pages of classified ads for all sorts of things you need!

Check out the details from the clubs brochure below or visit their website at www.vcoa.org.

The bi monthly publication is mailed around the 15th of Jan, March, May, July, Sept & Nov! We highly recommend it!

Volvo Club of America

Join the Club! We offer our members the following benefits:

1. Discounts on parts and service at participating dealers and independent shops around the country.
2. Six issues of Rolling magazine, our full color publication, featuring news, technical articles, owner profiles and more.
3. Annual meets, both nationally and locally.
4. Access to technical forums with a network of experts.
5. Subscription to our e-newsletter, with the latest updates on events and Volvo-related news.

There are over 30 chapters across the U.S. and Canada.

VCOA Membership USA	**MQVCOA-USA**	$45.00
VCOA Membership Canada	**MQVCOA-CAN**	$50.00
VCOA Membership International	**MQVCOA-INT**	$75.00

ipdusa.com

ipd is all about customer service, and our goal is to be able to support our products as well no matter how you find us. Whether you're browsing one of our catalogs, browsing our website or calling us on the phone, we want you to have the same rich experience. No matter how you come to us, we want to provide you with detailed information about our products and what they will do for you.

While our website has been very successful for us, we feel that it does not give you the same level of service that you've come to expect from us. It is for the reason that we will be launching a new website later this year that will allow us to better serve you.

Sampling of new features:

- Product attribute filtering such as front/rear, left/right, lower/upper, metallic/ceramic, brand, color, size, etc.
- Product filtering based on specific vehicle year, make, model, engine, transmission, body style, etc.
- Clear and concise listings of what vehicles any particular product will fit.
- Ability for us to attach a wealth of information to individual products: Installation instructions, frequently asked questions, tech-tips, videos, etc.
- Unlimited product images plus ability for customers to upload their own product images.
- Clear relationships for related products, accessories and comparable products.
- "My Garage" feature to allow you to save your Volvo models and shop for them in a few clicks.
- Product to Vehicle validation at checkout to ensure you are not buying products that do not fit your Volvo(s).

Tech Tip: Spark Plug Gapping

By: ipd staff

There are a number of plug gapping tools available on the market today and while most spark plugs come pre-gapped is a good idea to at least check them before installation. From manufacturer to consumer a spark plugs trip is a long one, and throughout its journey it is subject to some abuse. Since gapping is checked in the thousandths of an inch (i.e. 0.028) a small impact makes a big change. In addition, one spark plug part number may fit multiple engine configurations to which each may have a different gap. Checking gap is easy enough but which type of tool is the easiest and most useful? We have found that the bucket of gap tools on the counter of the local parts house to be the worst in general. These half dollar shaped units are often inaccurate due to the inherent sloping edge used to measure the gap with. A better design is the graduated wire style. This gap tool has multiple wire diameters that are common gap specifications. By using this tool you can be sure that the gap across distance of the plug electrode is consistent whereas the style previously mentioned has a certain inaccuracy because the sloping edge only contacts the far edge of the plug ground strap. Wire gap tools also include a ground strap adjustment wrench. This allows minute adjustment without having to 'smack' the plug against the concrete. Although these tools typically sell for around $4-$5, a far cry from the $0.25 units at the parts house, it's a far better value.

Due to the variations in spark plug applications, please visit the tune up section of ipdusa.com or give our customer service a call. We're happy to help. 800-444-6473

Volvo OEM Spark Plug Sets

ipd now offers Volvo OEM spark plug sets for your Volvo. Volvo plug kits offer premium quality at a reasonable price. Volvo uses NGK Iridium, Bosch Yttrium and Denso multiple electrode copper plugs that are specifically engineered for each Volvo application. Volvo plugs are packaged as sets and come pre-gapped from the factory.

8692071 Reviewed by David Emanuel from Knoxville, TN

I have used these plugs in both of Volvo's ('98 S70 T5 and '04 V70 2.5T) with consistently great results. I have read other's reviews of other plugs giving them fits but never a hiccup with these. Just make sure to check the plug gap...they aren't always consistent out of the package.

Bosch Super Copper Core Plugs

Heavy-duty copper core center electrode delivers superior durability and reliability. Nickel chromium ground electrode means consistent performance and prolonged service life. Nickel-plated rolled threads mean complete anti-seize and corrosion protection. Metal glass-fused center electrode seal prevents combustion leakage. Angular, five-ribbed insulator design prevents misfire due to current leakage.

850 all, 70 series all	1993-2000	(.028" gap)	**MQFR7DC**	$1.95
S80 all, S60, V70 not R models*	2001-2007	(.032" gap)	**MQFR8DC**	$2.20
S40, V40, V50, C30*	all	(.032" gap)	**MQFR8DC**	$2.20
C70*	2006-2007	(.032" gap)	**MQFR8DC**	$2.20

****2004-07 S60R & V70R use unique spark plugs, please see Denso Irridium listings on this page. These plugs are a colder heat range and they are longer because of the thicker cylinder head casting on the R. This plug is not for the 2007 S80 or V8 models.***

Bosch Platinum Plugs

Only Bosch uses a pure platinum center electrode, heat-fused into an extended insulator which reaches self-cleaning temperature only seconds after starting. Electrode gap remains virtually unchanged throughout the plug's longer service life; no need to clean or re-gap. Heavy-duty tapered ground electrode means extended service life, reduced electrode temperature, and improved access to air/fuel mixture. Lower ignition voltage requirement vs. other plug designs delivers reliable cold weather starts and superior operation under all driving conditions.

Spark Plug Applications for FWD/AWD Volvos

Prior to 2004, there was basically one length plug that fit in all FWD/AWD models. In late 2004, Volvo introduced a different cylinder head that was thicker between then combustion champer and the spark plug seat. . This difference means that these engines use different spark plugs and shorter ignition coil packs.

We believe this thicker head appears on all P1 (C30 / S40 2005- / V50 / C70 2005-) models and late S60/V70 T5 & R models. It also appears that the newer (2007-) 6 cylinder engine uses the longer style plugs. For more details visit http://www.ipdusa.com/Spark-Plug-Applications-for-FWDAWD-Volvos/blog-64.

Denso Iridium Spark Plugs

Denso Iridium plugs are serious power and performance for even the most serious of performance minded customers. Pure Iridium has a melting point of almost 700ºC higher than platinum and better withstands overheating, detonation, and oxidation wear. Denso Iridium plugs are combined with Rhodium for superior heat resistance and response. With high power and high heat turbo engines, you need all the help you can battling heat and detonation.

850, 70 series non-turbo	1993-2000	**MQIK20**	$14.95
850, 70 series turbo	1993-2000	**MQIK22**	$14.95
C70 non-turbo	all	**MQIK20**	$14.95
C70 turbo	all	**MQIK22**	$14.95
S80 all, S60, V70 non-turbo	2001-2007	**MQIK20**	$14.95
S80 all, S60, V70 turbo	2001-2007	**MQIK22**	$14.95
S40, V40, V50, C30 non-turbo	all	**MQIK20**	$14.95
S40, V40, V50, C30 turbo	all	**MQIK22**	$14.95
S60R, V70R turbo	2004-2007	**MQIKH22**	$16.95

Bosch Tune-Up Kits

Better fuel economy and increased performance are two of the immediate results you'll witness after tuning-up your Volvo. It pays to give your Swede a fresh tune-up after 30K miles. To make tune-up time easier on you, we've gathered everything you need in one convenient package: kits include Bosch distributor cap, rotor, and spark plugs. These quality parts include all-copper conductors rather than the inferior tin found in many aftermarket pieces.

850, 70 series (non-turbo)	1993-98	tune-up kit w/standard spark plugs	**MQIK121**	$58.33
850, 70 series (turbo models)	1993-98	tune-up kit w/platinum spark plugs	**MQIK121P**	$64.83
850, 70 series (non-turbo)	1993-98	tune-up kit w/ Iridium spark plugs	**MQIK121NTI**	$101.20
850, 70 series (turbo models)	1993-98	tune-up kit w/ Iridium spark plugs	**MQIK121TI**	$100.08

Note: 1999 and newer Volvos do not have distributor caps, rotors or spark plug wires, but they do still have spark plugs!

ipd Spark Plug Wires

Our custom spark plug wires are made with a high quality 8mm silicone jacket and feature a spiral wound core for maximum electrical efficiency. Each wire set is custom designed for each application covering over 40 years of Volvo models. Engineered to meet and surpass OEM quality, our wire sets include factory style metal end connectors (where applicable). Each wire set includes spark plug and coil wires as well as dielectric grease used on the plug boots for easy removal at tune-up time.

S40, V40 4cyl	1999-2004	spark plug wires by ipd	**MQ3E40**	$59.95	***SALE $53.95***
850, 70 series 5 cyl	1993-1998	spark plug wires by ipd	**MQ3E85070**	$89.95	***SALE $80.95***

Bougicord OEM Spark Plug Wires

A properly tuned ignition system is one of the most important factors of any engine. It will keep your engine running smoothly, economically and will deliver the most power. The increased heat under the hood may lead to premature degradation of the ignition wires. These wires are made by the original equipment supplier to Volvo so you are assured of the best quality in replacement wires. Coil wire is included.

850, 70 series	1993-98	**MQ9135700**	$56.96 kit
S40/V50	2000-2004	**MQ1275603**	$32.42 kit

1999-2007 models have distributor-less ignitions and do NOT use plug wires.

Please see the engine section of ipdusa.com for current pricing and applications. Serpentine Belts also available for S80, 2001-2007 S60 and V70, please see the engine section of ipdusa.com for current pricing and applications.

Serpentine Accessory Belts and Tools

You may not know it, but the charging system, power steering and air conditioning in your Volvo are all driven by a single serpentine accessory belt. These belts have proven to be pretty reliable, but it is not something you'd find at Joe's discount auto parts. We recommend keeping a spare in the trunk along with the required installation tool, available below. Volvo recommends that the belt be replaced every 2 years or 20,000 miles.

Serpentine Belts

See our website for a complete listing of our serpentine belts

Serpentine Belt Tool Set

850, 70 series	1993-98	Serpentine accessory belt tool set	**MQT70450**	$29.00
70 series	1999-2000	Serpentine accessory belt tool	**MQT70452**	$19.00

Timing Belts and Kits

Timing belt maintenance has never been so important since the 5 cylinder 'white' engine was introduced into the US in 1993. Unlike the 'red' engine of days gone past, these new engines are interference so a broken timing belt means valve and piston damage, an expensive alternative to belt replacement. Intervals for replacement vary from 70K to 105K depending on model year. With our available cam locking tool, perfect alignment can be ensured and no more potential for the camshaft to jump while the belt is off. This job used to intimidate even the most skilled individuals, but with ipd helping you out, timing belt maintenance is back in your control. Timing belt kits complete with tensioner, tensioner pulley, idler pulley and belt.

ipd Performance Coil Kit

ipd's performance ignition coil restores lost power from the old factory ignition coil and provides increased performance for highly tuned setups like our stage III kit. Our kit mounts the coil on rubber isolators to reduce engine vibration and it's also designed to work with the ipd short ram intake which insulates the coil from high engine temps by locating it within the area where cool air enters the intake. ipd performance coil kit fits both turbo and non turbo 850 and 70 series models from 1993-1998 and takes approximately 30 minutes to install. Includes MSD coil, ipd 8mm silicone coil wire, mounting bracket, fasteners and instructions to provide a clean, simple installation.

ipd performance coil kit	850 and 70 series	1993-1998	**MQ3E85070MSD**	$109.95	***SALE $98.95***

HD ignition coils

ipd's HD ignition coils are a direct replacement for weak or failing factory coils. With a 20% larger secondary widing and spiral wound primary winding, ipd HD Coils outperform both stock and replacement coils. Specifically designed for longevity and consistent performance our HD Coils are perfect for higher than stock performance levels or as a long life replacement part in otherwise stock vehicles.

S70/V70 1999-2000, V70/XC70 2001-2007, S60, S80, XC90, C70	**MQ28.0003**	$49.95	***SALE $44.95***
S60R/V70R 2004-2007, S40/V50 2005-2011, C30 2007-2011, C70 2006-2011	**MQ28.0005**	$54.95	***SALE $49.45***

Stock Replacement Ignition Coil

These coils have shown a rather high failure rate and tend to require replacement almost as though they were a maintenance item! If you're suffering from poor starting, hesitation when accelerating or even poor fuel economy, weak ignition coils could be the problem.

Due to the variations in applications, please visit the engine section of ipdusa.com or give our customer service a call. We're happy to help.

Ignition Coil Boot and Spring

Ignition coil boots can break down and lead to misfires, especially when the oil cap seal starts leaking and soaks the boots with engine oil. Why replace the whole coil when all you need is the boot? ipd now has boots in stock for both the standard and R style ignition coils!

Fits coil #30713416	103mm	**MQ3E3416**	$8.95 ea
Fits coil #30713417 2005-07 & R models	96mm	**MQ3E3417**	$8.95 ea

If your car uses the shorter spark plug then use boot "A"

If your car uses the longer spark plug then use boot "B".

A - 103mm boot(3E3416) ***B - 96mm boot(3E3417)***

Due to the variations in Filter applications, please visit the filters and tune up section of ipdusa.com or give our customer service a call. We're happy to help. 800-444-6473

Pollen Filters

Nearly all front wheel drive Volvo models are equipped with a cabin pollen filter which eliminates pollutants and pollen that would normally enter the passenger compartment. A plugged filter will not only reduce the comfort and protection you and your passengers enjoy against airborne contaminants, but can also shorten the life of the heater blower motor. When the filter becomes clogged, it significantly reduces the airflow through the climate control system, and increases the amount of work load put on the blower motor. For best protection, and to prolong the life of your heater blower motor, the filter should be replaced every 15-20,000 miles and even more frequent in highly dusty areas.

Stock Replacement Air Filters

Easy to install and maintain — just discard and replace with a new one when needed. Check air filter every 10,000 miles. Replace it every 30,000 miles or more often in dirty or dusty conditions.

K&N Reusable Air Filters

This filter has an international reputation for effective service under the most grueling conditions. Patented design utilizes surgical cotton in multi-layers, oiled and sandwiched between wire mesh. K&N filters not only clean the air, but also straighten the air flow. Under normal conditions cleaning and reoiling is not required until 50,000 miles (without loss of efficiency!)

850, 70 series	1993-2000	**MQ332670**	$57.78	***SALE $52.00***
C70	1998-2005	**MQ332670**	$57.75	***SALE $51.98***
S60, V70	2001-2007	**MQ332176***	$62.65	***SALE $56.38***
S80	1999-2006	**MQ332152**	$56.50	***SALE $50.85***
S40, V40	2000-2004	**MQ332763**	$57.66	***SALE $51.89***
S40, V50	2004.5-2008	**MQ332873**	$55.68	***SALE $50.11***
C30	2007-2008	**MQ332873**	$55.68	***SALE $50.11***
C70	2006-2008	**MQ332873**	$55.68	***SALE $50.11***
XC90 5 & 6 cyl all	2003-2007	**MQ332280**	$59.76	***SALE $53.78***
XC90 V8 all	2005-2007	**MQ332328**	$69.84	***SALE $62.86***
Filter care kit oil and cleaner		**MQ2C9950**	$13.52	***SALE $12.17***

****Not for "R" models***

Prices subject to change. See website for most accurate pricing.

Air Filters Exclusively for "R" Models

Upgrade the air filter in your 2004-06 S60R or V70R with our K&N high-flow cleanable element. A drop-in replacement for the stock paper element, it provides a bit more air intake sound when accelerating hard and provides long life service since it is cleanable. Pre-oiled and ready to install.

S60R, V70R	2004-2007	hi-flow K&N air filter	**MQE-2019**	$69.84	***SALE $62.86***

ipd Air Management System

The ipd Air Management System (AMS) increases throttle response and provides a more aggressive intake growl under acceleration. Improved breathing capacity and lower intake air temperature results in greater horsepower and torque. A byproduct of our free flowing design is an addictive sound under full throttle and throttle lift (turbo woosh!!!) as the boosted air is redirected by the diverter valve.

S60R, V70R	2004-2007	ipd air managementsystem	**MQ2C8500**	$399.00

Vacuum Elbow Kit

There are two vacuum elbows used on 850 and later models that fit in a variety of different places. Our kit includes the elbows that most commonly get soft and fail over time. The elbow that is different sizes on each end is used primarily in two locations. First, the nipple located on the pass side of the intake manifold behind the power steering pump & second on the intake tube right after the mass air flow sensor. The elbow on the intake manifold is used on 850s that were built Oct 95 and later and the 70 series up to 2000 (check your vehicle to be sure). The other elbow is found on the air injection pump valve vacuum line and solenoid, four are used in that system, and also found on vacuum tree under the throttle bell crank cover. Look for code "232 LT FT" caused by elbow air leaks.

850	up to 10/95	6 small single sized elbows	**MQ2K15586**	$10.56
850, 70 series	10/95-2000	4 small single sized elbows, 2 two-sided elbows	**MQ2K2759**	$10.92

Oil Filter Housing

Generally the cartridge housing does not require replacement, however if it becomes cross threaded it can become difficult to install correctly which can lead to leaks. As the engine heat cycles through use, the filter housing tightens up further, often leading to very difficult removal wherein some cases the housing will become damaged or stripped during removal.

Replacement Plastic Oil filter housing	fits all models that use 1275811 oil filter	**MQ1275808***	$20.56

**** We believe 1999 Turbo models had the new cartridge style and 1999 non-turbo models still had the older spin on style. All models 2000 and newer have the cartridge style filter.***

Forgotten Tune Up Items

By: ipd staff

Tunes up items usually consist of spark plugs, wires, cap and rotor. Newer cars have gone away from caps and rotors and many use a coil over plug system, now spark plugs may be the only replaceable parts. As easy as this has become there are still some forgotten parts that need replacement every so often. Serpentine belts are a vital part of your engines' ability to run. With a broken serpentine belt your car will lose air conditioning, alternator, water pump, and power steering. This will make the car hard to maneuver quick to overheat, and drain the battery flat. These belts break all at once within a second or two and usually don't give much warning. A simple inspection should reveal a belt with little to no cracks in the ribbed surface. A few stray cracks are considered acceptable but anything more than that is indicative of belt wear. Considering how much effect a broken serpentine belt can have it isn't a bad idea to carry a spare. However, once broken, the belt can wrap itself around the crank and drive pulley's making it even harder to remove so it's best to check the condition every oil change and replace as needed.

Another item that is easily overlooked is air conditioning system. As summer winds down many of us put air conditioning repair on the bottom of our 'to fix' list. We don't typically think of the air conditioning system as being used much during the fall and winter months. Fact is, it is used more often than you might think. Defrost systems rely heavily on the air conditioner to properly and quickly clear the windshield from condensation built up on the inside. As the air conditioning system operates it has two effects on the ambient air. Firstly, and most noticeably, it cools the air by exchanging the heat into the evaporator. Secondly it dehumidifies the air. This second characteristic is what removes fog from the inside of the windshield. This cooler drier air can absorb moisture built up inside the vehicle and provide faster clearing of the windshield. So if your A/C didn't work too well this summer you can count on that same level of performance from your defrost.

Mann and Mahle OEM Oil Filters

We've discovered that OEM filters are manufactured by both Mahle and Mann, depending on the application. We carry what Volvo carries, so you can be sure that you're getting OEM, whichever model you own. See descriptions below for details.

A. Screw-on Filters (Mann)

850 (all), 70 series Turbo (1998 only)	**MQ3517857**	$4.95 Each
S70/V70/V70XC series non-Turbo, 1998-1999	**MQ3517857**	$4.95 Each
Case of 10	**MQ3517**	$45.00 Case/10

B. Filter Cartridge with O-ring (Mahle)

S70 Turbo 1999-2000	**MQ1275811**	$4.95
V70/V70XC series non-Turbo 2000	**MQ1275811**	$4.95 Each
C70 1999-2004	**MQ1275811**	$4.95 Each
S60 2001-2009	**MQ1275811**	$4.95 Each
S40, V40 2000-2004	**MQ1275811**	$4.95 Each
S80 all 1999-2006	**MQ1275811**	$4.95 Each
S80 V8 2007-2010	**MQ1275811**	$4.95 Each
XC90 5 cylinder 2003-2007	**MQ1275811**	$4.95 Each
XC90 6 cylinder 2.9L 2003-2006	**MQ1275811**	$4.95 Each
XC90 V8 2004-2008	**MQ1275811**	$4.95 Each
Case of 10 filter cartridges	**MQ1275**	$45.00 Case/10

C. Filter Cartridge with O-ring (Mann)

S40, V50 2005-2011, C70 2006-2011, C30 2007-2011	**MQ8692305**	$6.60 Each

Filter Cartridge with O-ring (Mann)

S60 2010-2011	**MQ30750013**	$9.06 Each
V70/XC70 2008-2011 with 6 cylinder	**MQ30750013**	$9.06 Each
XC60	**MQ30750013**	$9.06 Each
S80 2007-2011 with 6 cylinder	**MQ30750013**	$9.06 Each
XC90 2007-2010 with 3.2L 6 cylinder	**MQ30750013**	$9.06 Each

Seal Rings for Drain Plugs

Aluminum seal ring (crush washer)	**MQ977751**	$0.25 Each

Note: Volvo states that the drain plug crush washer should be replaced at every oil change.

9995679

Oil Filter Cap Wrench & Filter Kit

Having the right tool makes all the difference and keeps the simple jobs simple. Starting in 1999 Volvo switched to a paper cartridge style oil filter that is encased in a plastic housing. Commonly this housing gets damaged or stripped from use of a strap style or clamp style wrench, making oil changes a hassle. We offer the right tool at a reasonable price that is perfect for this job and will keep the job simple in the future.

The stamped steel tool is for the average do it yourselfer who's doing an oil change four or five times a year, but if you are a mechanic or work on your friends and families cars, you should probably get the heavy duty versions.

T2489

T12750S

T1019

HD Oil filter cap wrench

All models that use oil filter 1275811	**MQT12750S**	$39.95
All models that use oil filter 1275811	**MQ9995679**	$55.00
All models that use oil filter 1275811	**MQT2489**	$10.95
All models that use oil filter 8692305 & 30750013	**MQT1019**	$14.95
HD Oil filter cap wrench and filter kit	**MQT2489K**	$23.95

The Magnetic Drain Plug That Helps You Out!

Prevent abrasive particles from recirculating through your oil pump and back into the pressurized system with our magnetic drain plug. This plug catches and holds metal particles as they drain into the oil pan. You'll be able to spot deteriorating engine conditions easily.

850, 70, & 40 series, S60, S80 & XC90 incl. seal ring*	**MQ2A9851**	$7.95	***SALE $7.15***
Aluminum seal ring only (also fits stock plug)	**MQ977751***	$0.25	

**** Should be replaced at every oil change. Does not fit V8.***

Superclean Your Oil

Capture every microspeck of metal that causes engine wear. Debris that your oil filter alone might not be able to screen. Made of flexible polyurethane. Simply attach it to the outside of your oil filter and let it do the work.

1993-98 models	oil filter magnet	**MQ2000A**	$12.00	***SALE $10.80***

Not for plastic filter housing on 1999 and newer models.

Bosch Original Equipment Fuel Filters

Changing the fuel filter in front wheel drive Volvos is pretty easy due to the use of quick disconnect style fittings. Simply slide the connector collar away from the filter about half an inch and the line will disconnect. Volvo has added a schraeder type valve (like a tire valve stem) that allows line pressure to be bled off to help reduce the amount of fuel that is spilled.

Please see the engine section of ipdusa.com for current pricing and applications.

In-Line Magnetic Filters for Automatic Tranny and Power Steering

Oil flows through your automatic transmission and power steering system to transmit power, lubricate parts and provide cooling. Contaminants (like dirt, metal fragments and fibers) result in the oil working like sandpaper. Instead of lubricating, the oil gradually wears out the parts it's supposed to protect. Under normal driving conditions, the oil can be contaminated in just 25 hours of driving.

These filters stop ferrous metal via a magnet. The remaining metal and dirt is stopped by the paper element.

Installing a Magnefine in-line filter will remove 99.997% of damaging contamination, making the oil cleaner than when your vehicle first left the factory. And it will keep it that way.

Fits most Volvo models (not for 40 series).

Automatic transmission fluid filter	1993-2000	**MQ160***	$28.50
Power steering fluid filter	1993-2000	**MQ160***	$28.50

**** 850, 70 series, S60 and S80 use MQ160 for both A/T filter AND P/S filter.***

NOTE: When installing on cars with over 50K miles, the filter should be replaced after 20K miles of use. Subsequent filters can be changed after 60K miles of use.

Turbo Drain Pipe Seal Kit

Newer Turbo Volvos have a tendency to leave oil drips. In many cases, the oil drip is coming from the turbo drain pipe seal (located near the center back side of the engine). We put together this kit with instructions so that you can fix it yourself and in less than an hour you can have it repaired. You'll need a 5mm Allen wrench and 10mm socket.

Turbo models	1994-2007	**MQ7775K***	$8.00

Order 2 kits for models with twin turbo T6

Turbo Drain Seal Tool

Turbo drain seal leaks are an all too common problem. Make quick work of this job with our universal 5mm allen socket. This tool accesses the two allen bolts on the upper end of the drain pipe where space it limited. Oil leak repairs aren't so bad with tools like this. This tool is absolutely required to remove the tubo drain pipe seals on AWD models. For other models use torx 30 - see page 60.

Volvos 1994-2000	turbo drain pipe seal tool	**MQT2430**	$36.00

Cam Sensor

Intermittent cranking without starting can be the most frustrating type of problem to diagnose. The engine camshaft sensor can be common cause of this type of no start. The camshaft sensor is referenced at startup by the ECU to determine which valves are open/closed and compare that to piston position to fire the injectors and ignition coil at the right time. Typically even intermittent camshaft positions sensor failure will result in a code stored in the ECU so be sure to check the ECU for codes even if you don't have a check engine light on.

The camshaft sensor is located on the back of the exhaust cam and is held on with Torx 40 fasteners.

www.ipdusa.com

Please see the engine section of ipdusa.com for current pricing and applications.

Cam Locking Tool

Misalignment of the cam shafts during a timing belt replacement in the 5 and 6 cylinder engines can be a costly mistake. Our cam locking tool holds the camshafts in place during timing belt replacement to prevent unexpected movement and ensure proper cam shaft alignment. Made from 3/8 inch anodized aluminum plate with 3/16 inch dowel pins spaced for placement in between the intake and exhaust cam gears.

850, 70 series	1993-1998	cam locking tool	**MQT850CT**	$29.95

Manuals

Don't forget our service manuals to help you with your general maintenance and trouble shooting needs! They offer all the information you'll need to cover most repairs and services to your Volvo.

V70/S80 UK	2000-05	Haynes manual	**MQ9L4263**	$27.96	***SALE $25.16***
850	1993-97	Haynes manual	**MQ9L7050**	$19.96	***SALE $17.96***
70 series UK	1998-99	Haynes manual	**MQ9L3573**	$27.96	***SALE $25.16***
40 series UK	1997-99	Haynes manual	**MQ9L3569**	$27.96	***SALE $25.16***
All Volvos	1990-98	Chilton manual	**MQ9L8428**	$23.96	***SALE $21.56***
S40/V50	2005-2007	Haynes Manual	**MQ9L4731**	$27.96	***SALE $25.16***

Prices subject to change. See website for most accurate pricing.

ipdusa.com

Oxygen Sensors for Efficient, Trouble-free Performance

Most often the fault given from the on board diagnostic system is a fault with the oxygen sensor. It is important that the proper fuel mixture is maintained for optimum fuel efficiency. Be sure there are no other faults before replacing just the oxygen sensor. These are Bosch oxygen sensors for original equipment fit and function. Be sure to check the part number on your car first.

Use our oxygen sensor tool for removal. It has a slot machined in it that allows it to be slipped over the sensor wire for secure removal and installation even in tight spots like on turbo models.

Check our website for complete listings of our oxygen sensors ipdusa.com

Oxygen Sensor Wrench

Replacing the oxygen sensor on your Volvo can be a real pain. Since it is installed directly in the headpipe or exhaust manifold, it will usually be severely rusted or corroded in place. The main sensor lead comes right out of the center of the sensor, so it's not possible to use a standard socket. Our "High Leverage" long handle oxygen sensor wrench allows it to be slipped over the sensor wire for secure removal and installation even in tight spots, especially when working on turbo models.

Oxygen Sensor Wrench **MQT1023** $22.95

Got Oil Leaks? It Could Be Your Flame Trap System

Volvo's refers to their positive crankcase ventilation (PCV) system as a 'flame trap'. This system has been used on Volvo models as far back as the early 70's. Its purpose is to recycle or reburn the combustions gasses and unused fuel that leaks past the piston rings and into the crankcase. The amount of vapors generated in a turbo engine are such that if the flame trap system is clogged it can actually push engine oil past seals on the crankshaft and cam shafts. The system is made up of few basic parts starting with an oil separator that allows any suspended liquid to condense and drain back down to the oil pan. There are also a number of tubes connecting the oil separator box to three passages in the engine block, and one tube running to the intake tract just before the turbo. This last tube is where the positive pressure in the crankcase is sucked out of the engine by the turbo and keeps the internal engine pressure in a slight vacuum. Infrequent oil changes, rich running engine, poor fuel/oil quality, and hard driving all contribute to carbon buildup which is the main cause of oil separator box clogging.

2E8705

Please see the PCV system under the Engine Mechanical section of our website for your specific model.

2E8701

Prices subject to change. See website for most accurate pricing.

ipdusa.com

ipd Oil Cap and HD Seal

ipd's trick one piece billet aluminum oil fill cap with milled logo is designed for great looks and customization. This cap can be run as is or it will accept the Ipd and Volvo wheel center caps available below. Made from 6061 aluminum, CNC machined and clear anodized for a long lasting finish, the Ipd oil cap can be that crowning jewel in your underhood masterpiece.

Ipd's custom oil cap includes our new Viton F HD seal. If you can't seem to keep the top of your motor clean and you've already done your PCV system service this seal may just be what you're looking for. Stock seals seem to need replacement after every oil change but Ipd's Viton F seal is made to outlast the factory piece and keep your engine bay clean.

ipd HD oil cap seal also available separately.

ipd oil cap	all models 1993 and newer	**MQ21.0004**	$69.95
ipd HD oil cap seal	all Volvo models*	**MQ21.0005**	$9.95

For FWD/AWD models - Be sure to let your Volvo technician know you have an ipd HD Viton oil cap seal so they don't replace it with a short lived stock seal. Stock seals fail so quickly (get hard/brittle and leak) that good technicians just replace them at every oil change.

The ipd Billet Oil Filler Caps are engraved with a nice ipd logo in the center, however you can also install one of the four center caps available separately on our website to add a little color to your engine compartment if you like.

Wheel Center Caps

We offer three center cap styles to fit most Volvo wheels since 1993. These should fit all wheels except for the 2000-2004 S40 and V40, which used a slightly smaller center cap. These caps measure 2.5" across the face and snap into wheel openings that are 60mm ID measured from the front of the wheel. We recommend that you double-check yours to make sure they'll fit before ordering.

A. ipd logo center cap	blue/silver/chrome	**MQ6W1005**	$11.50
B. Standard Volvo replacement wheel center cap	black /silver	**MQ6W1002**	$10.95
C. Iron logo wheel center cap	blue/silver/chrome	**MQ6W1000**	$9.95

Oil Filter Torque Wrench

Torque Limiting ratchet that prevents over tightening and damaging of plastic oil filter cartridge housings. The ratchet limits torque to 25 Nm (18 ft.lb.) and produces a clicking action when the correct torque is achieved (tighten until ratchet clicks.)

The ratchet is not torque limited in counter-clockwise direction so it can be used to loosen an over-tightened housing. This wrench is perfect to use with our T261 oil filter cartridge cap wrench.

Oil filter torque wrench	**MQT8940**	$79.95	***SALE $71.95***

Please note that this wrench is only for models with plastic oil filter housings.

ipd Wheels

We recently got our first shipment of the ipd 19" Pegasus replicas (19X8" with 42mm offset) in stock and have them in the popular Hyper Silver as well as Matte Black finishes. Another new feature is that we have upsized the hub bore to 73mm to allow the use of hub centric rings (included) so now the wheels can safely be installed on the following Volvos.

1994-1997 850 All
1998-2000 S70 & V70
1998-2005 C70
1999-2006 S80
2001-2007 V70
2001-2010 S60
2003-2011 XC90 All
2005-2011 S40 & V50
2006-2011 C70
2007-2011 C30
2007-2011 S80

ipd offers three exclusive wheel styles to fit most 1994-2011 Volvo models. All styles are available in your choice of a hyper silver finish (a multi stage finish that color shifts from bright silver to dark anthracite depending on viewing angle) as well as a matte black finish.

When you buy your Volvo wheels from ipd, you get the peace of mind that comes with knowing that the Volvo performance leader since 1963 has done all the legwork to ensure a safe and proper fitment for you Volvo.

All ipd wheels are designed to use the original factory lug bolts and come with ipd logo center caps.

IPD VMS

Fits 1994-1997 850 all, 1998-2000 S&V 70 all, 1998-2005 C70 All, 2001-2010 S60, V702001-2007 All, 1999-2006 S80 All

Does Not Fit: S40, V40, V50, C30 or C70 2006-201, S60R, V70R 2004-2007 or XC90.

Please call or visit ipdusa.com for recommended tire sizes.

VMS Matte Black	18"x 8" 38mm offset	**MQIPDVMS18838B**	$178.00

IPD Vector

Fits 1994-1997 850 all, 1998-2000 S&V 70 all, 1998-2005 C70 All, 2001-2010 S60 & 2001-2007 V70 All (including S60R & V70R), 1999-2006 S80 All

Does Not Fit: S40, V40, V50, C30 or C70 2006-20011 or XC90.

Please call or visit ipdusa.com for recommended tire sizes.

Hyper Silver	18" x 8" 43mm offset	**MQ77.0003**	$178.00
Matte Black	18" x 8" 43mm offset	**MQ77.0004**	$178.00

IPD Pegasus Replica

Using a hub centric ring program(hub ring adapters for your Volvo will be included free of charge when you place your order) ipd Pegasus Replicas now fit all the following models:

1994-1997 850 all, 1998-2000 S&V 70 all, 2005-2010 S40& V50all, C70 All, S60 & V70 All (including S60R & V70R), 1999-2011 S80 All, XC90 All

Please call or visit ipdusa.com for recommended tire sizes.

Hyper Silver	18"x 8" 43mm offset	**MQ77.0010**	$178.00
Matte Black	18"x 8" 43mm offset	**MQ77.0011**	$178.00
Hyper Silver	19"x 8" 43mm offset	**MQ77.0012**	$238.00
Matte Black	19"x 8" 43mm offset	**MQ77.0013**	$238.00

19" Pegasus Wheels Now Available!

VMS

Matte Black

Vector

Hyper Siver pictured
Matte Black also available

Pegasus

Matte Black

Hyper Silver

Prices subject to change. See website for most accurate pricing.

ipd Anti-Sway Bars - The Best Upgrade You'll Ever Make.

If you really enjoy driving your Volvo, but occasionally find yourself wishing it handled a little better, you should seriously consider having an ipd safety anti sway bar system installed. Our sway bar kits are now powder coated blue and have been the number one top selling suspension upgrade for Volvos for over 30 years and if you spend a few minutes on the web you'll see why. Volvo owners around the world consistently give ipd swaybar kits excellent reviews for enhanced performance and safety. Flatter cornering, quicker response to steering input, increased margin of safety and a much more comfortable ride for you and your passengers due to reduced body roll.

850, 70 series (FWD)	1993-2000	25mm front, 22mm rear	**MQ6K5035**	$395.00
C70	1998-2005	25mm front, 22mm rear	**MQ6K5035**	$395.00
70 series AWD including XC & R models	1998-2000	25mm front, 22mm rear	**MQ6K5037**	$448.00
S40, V40	2000-2004	22mm rear	**MQ6K5041**	$248.00
S60, V70 (except AWD)	2001-2007	25mm front, 22mm rear	**MQ6K5036**	$395.00
S60 AWD, V70 AWD	2001-2007	25mm front, 22mm rear	**MQ6K5043** (1)	$448.00
S60R (**track spec.** w/ slight oversteer)	2004-2007	25mm front, 25mm rear	**MQ6K5046**	$448.00
V70R (**track spec.** w/ slight oversteer)	2004-2007	25mm front, 28mm rear	**MQ6K5047**	$448.00
S40, V50	2004.5-2007	22mm rear bar	**MQ6K5044**	$248.00
S80 (except AWD)	1999-2006	25mm front, 22mm rear	**MQ6K5036**	$395.00
XC90 2.5T, V6, V8	2003-2007	25mm front, 28mm rear	**MQ6K5042**	$495.00

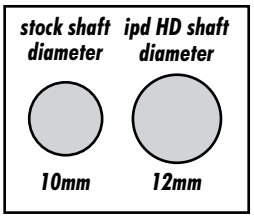
(1) Not for "R" models.

NOTE: Upgrading the anti-sway bars on these models is a skill level 3 procedure. We generally recommend professional installation as it is necessary to lower the engine sub-frame and a vehicle lift makes the job easier than doing it on jack stands. Although the experienced do it yourselfer can accomplish the install, you should consult the installation instructions before attempting this job to be certain it is within your mechanical abilities.

ipd Heavy Duty Anti Sway Bar Endlinks

ipd's heavy duty endlinks have been manufactured with long life and consistent performance in mind. With a polished ball socket and 25% larger shaft diameter (stock is 10mm, ours is 12mm) these units have outperformed the factory endlinks hands down. ipd has now extended the warranty for our heavy duty units to a full 5 years! So whether you are looking for a long life alternative or a superior performance unit for the track, you can get both with a guarantee backed by the Volvo performance leader.

The original anti sway bar end links wear prematurely and can begin to clunk and rattle in as little as 20,000 miles, so if you are hearing some strange noises up front when going over small bumps etc, have them inspected. If they are worn, upgrade to our HD versions as the installation price is very affordable and will provide great long term value.



S80, V70, S60, XC90	2001-2007	Rear HD endlink	**MQ30647920HD**	$59.95 ea	***SALE $53.95***
850, 70 series*	1993-2000	Front HD endlink	**MQ9492804HD**	$59.95 ea	***SALE $53.95***
S40, V50, C30	2004.5-2007	Front HD endlink	**MQ9492804HD**	$59.95 ea	***SALE $53.95***
C70	2006-2007	Front HD endlink	**MQ9492804HD**	$59.95 ea	***SALE $53.95***
S80, V70, S60, XC90	2001-2007	Front HD endlink	**MQ9492805HD**	$59.95 ea	***SALE $53.95***

****Fits C70 through 2004***

1 YEAR WARRANTY

ipd's heavy duty endlinks have been manufactured with long life and consistent performance in mind. With a polished ball socket and increased shaft diameter these units have outperformed the factory endlinks hands down. Whether you are looking for a long life alternative or a superior performance unit for the track, you can get both with a guarantee backed by the Volvo performance leader.

Scan Gauge II - The 3-in-1 Automotive Computer with Code Reader

The ScanGaugeII is an extremely compact automotive computer designed to read and display information about your vehicle in real time.

Simply connect the ScanGaugeII to your vehicle through it's OBDII port using the included cable, turn the ignition key and the ScanGaugeII automatically connects to your cars internal computer - it's that simple.

Scan Tool / Code Reader

The ScanGaugeII allows you to troubleshoot your own car, read error codes, and the conditions present when the error occurred. You can also turn off the "Check Engine" light and avoid those costly trips to the mechanic. It will tell you when vehicle is "Ready" to pass OBDII testing. You can also make and store up to 10 rewritable special codes to send to the vehicle computer.

Digital Gauges

Display four gauges at a time from the 12 built-in digital gauges. The information is presented in Real-time! Fuel cconomy, fuel rate, battery voltage, coolant temperature, intake air temperature, engine speed (RPM), vehicle speed (MPH), manifold pressure (not available on some vehicles), engine load, throttle position, ignition timing, and open/closed loop.

Trip Computer

Automatically tracks four sets of trip data - Each with 11 individually stored parameters. Maximum speed average, speed maximum, coolant temperature maximum, RPM, driving time, driving distance, fuel used, trip fuel economy, distance to empty, time to empty, and fuel to empty.

Scan Gauge	1996-on	**MQT1002**	$169.95	***SALE $152.95***

Foxwell NT300 and NT200 Diagnostic Scan Tools

The NT200 reports all generic codes that a manufacturer is required to make available. These generic codes are standardized for all 1996 and newer vehicles and the codes are helpful to get you started in the right direction when diagnosing "Check Engine" light related problems with your Volvo. If you just want to know the basic issue and have a tool that can turn the "Check Engine Light" off and most likely won't be performing any repairs yourself, then the NT200 is the tool to get.

Be aware that using any scan tool to turn the "Check Engine Light" off rarely makes the problem that triggered the light to come on go away! If you're trying to get your car through an inspection / emissions test, the fact that the "Check Engine Light" is off, does not mean it will pass. The car has to be driven through several "Drive Cycles' to ensure all sensors and systems are functioning properly before he car will be in "Readiness Mode" and pass an emissions test. On rare occasions the "Check Engine Light" may be set / illuminated by a momentary blip in the engine management system and after resetting it may not come back on.

The NT300 will tell you if the car is in " readiness Mode" and will pass an emissions test, the NT 200 will not. The NT300 has the generic code function as well as enhanced manufacturers specific code capability that can often be much more helpful when troubleshooting. The NT300 has an onboard manufacturers diagnostic code library that provides much more detailed information about a a specific code.

NT300

For example:

P0130 - Oxygen Sensor Circuit Malfunction (Bank I Sensor 1) is a common generic code that you might run into on your Volvo and is what the NT 200 would display if your Volvo was having an oxygen sensor related issue that illuminated the "Check Engine Light". The NT300 scan tool will display the Volvo manufacturers code, which will be much more specific with information such as:

- ***Open or short in the Oxygen Sensor wiring harness***
- ***Unmetered vacuum leak at the engine***
- ***Bad Oxygen sensor***

Here is a link to a helpful website that provides clear explanations of generic OBD-II codes as well as Symptoms, Causes and Solutions for the code in question. http://www.obd-codes.com/trouble_codes/

NT200

NT300 Scan Tool	all models	1996-2010	**MQ99.0003**	$109.95	***SALE $98.95***
NT200 Scan Tool	all models	1996-2010	**MQ99.0002**	$59.95	***SALE $53.95***

Prices subject to change. See website for most accurate pricing.

Magnetic Spark Plug Sockets

Our magnetic spark plug sockets are designed to make spark plug installation and removal easier by practically eliminating dropped spark plugs. The powerful magnet within each socket holds plugs securely, plus the sockets are knurled for extra gripping power. They're even warrantied by the manufacturer for life! These magnetic plug sockets also attract metal particles and keep them from entering the combustion chamber, which is especially useful when working around ruty exhaust manifolds. Includes both 13/16" and 5/8" sockets to fit the common sizes for early and later model engines.

Magnetic Spark Plug Sockets	**MQT1017**	$14.95 pair	***SALE $13.45 pair***

Spark Plug Socket with Extension

Replacing spark plugs in the 4-5-6 cylinder 'white engines' is made easier with our spark plug socket and integrated extension. 3/8 inch drive 11 inch extension with integrated 5/8 inch socket pivots on a 360 degree swivel for additional accessibility. Along with our 360 degree flex head ratchet you can replace spark plugs in the deep recessed opening at the top of the head without searching around in your box for the right tools. Spark plug socket features a rubber insulator holder to keep plugs from falling down into the head and a high torque swivel head for breaking loose those corroded threads.

Spark Plug Socket with Extension	**MQT1007**	$17.95	***SALE $16.15 pair***

360° Ratchet

New rotating head ratchet allows for access in tight places without sacrificing leverage. Fine tooth gears allow for small adjustments to get just the right angle, or release the head and spin it around for quickly running down threads. Features 3/8 drive ratchet with 360 degree swivel head and extended handle for extra torque. Check our website for a demonstration video.

360° ratchet	**MQT1013**	$34.95

12 Volt Test Light

For installation of automotive electrical accessories, a test light is hard to beat. Our test light has a 12-foot coiled cord for extended access when checking power and ground. If you're installing stereo components, keyless entry, alarms or just need some help with road side trouble shooting a good test light goes a long way.

12 volt test light	**MQT1003**	$10.95 ea

1/4" and 3/8" Drive Torx Bit Set

This set, made in the USA, is made of high strength hardened alloy steel for the professional mechanic (lifetime warranty) and includes 1/4" drive T-10,T15,T-20,T-25, T-27, T-30 and 3/8" drive T-40, T-45, and T-50 bits. The dual drive sizes may seem unusual at first, but after using them for awhile, it really makes good sense. The 1/4" drive on the smaller bits allows them to be used in tight fit areas where a larger socket body and 3/8" ratchet driver wouldn't fit. The 3/8" drive on the larger bits insures you'll be able to break loose the larger sized fasteners that a 1/4" drive couldn't handle.

9 Piece torx bit set	**MQT1050**	$22.95

External Torx

If your 850 and later model vehicle has an ABS/Tracs light on and the module is the culprit (diagnostic trouble codes123-124-213-214-313-314-323-324) you'll need our E5 external torx to remove the control unit. The four fasteners are accessed from the bottom of the unit and require a bit of care to ensure no damage occurs. Better yet, get our 11 piece external torx set, containing E4 through E20 and tackle those front wheel bearing fasteners too!

Individual E5 external torx	**MQT9580**	$4.95
11-piece external torx set	**MQT9640**	$29.99

Fuel line release tool

ipd's fuel line release tool is now available for your 1999 and later model Volvo. Starting in 1999 Volvo starting using a internal locking fuel line connection which requires this special tool anytime it is disconnected. Since the fuel line is routed in between the intake manifold runners and the engine block anytime the fuel rail or even the intake manifold is removed you'll need this tool to allow that connection to come apart. For PCV service it's a must so make sure to pick up our latest fuel system tool for your later model Swede!

All Volvos 1999-2011	**MQT3480**	$12.95

Torx Key Set

Torx bits have found their way into Volvo since the late model 240 series and are ever increasing in the newest generations. Our handy tool sets includes the most commonly used torx sizes (T10, T15, T20, T25, T27, T30, T40, T45, T50) and keeps them together in two different styles.

Torx key set	**MQT1016**	$10.95

P.O. Box 20339
Portland, Oregon 97294

CODE: MQ

HEADLAMPS & TURN SIGNAL ASSEMBLIES

FREE shipping to lower 48 states and free set of Stealth Bulbs

Projector Headlights and Turn Signals

If you've ever considered upgrading the headlights on your S or V 70 to a custom style, now is the time with our new projector lamp assemblies and included matching turn signal assemblies for a super clean Euro look. Up until now we have chosen to stay out of the custom headlight market as the offerings for Volvos did not meet our quality requirements. The fit and finish of these lights is outstanding. The low beam projector lamp dramatically improves the beam pattern and provide the custom look to set your ride apart from the crowd. Both hi and low beam lamps utilize commonly available H-7 halogen bulbs (not included , but you can re-use your originals).

Easy installation in under an hour with common hand tools.

S/V70 1998-2000	black projectors w/turn signal	**MQ35.0006**	$395.00
C70 1998-2005	black projectors w/turn signal	**MQ35.0006**	$395.00
S/V70 1998-2000	black turn signals alone	**MQ35.0001**	$70.00
C70 1998-2005	black turn signals alone	**MQ35.0001**	$70.00

Stealth Bulbs

Stealth Bulbs™ are the best concealment bulbs on the market; invisible in clear lenses when off and bright amber when on. They eliminate the "egg-yolk" effect from the front, side or rear turn signal lenses of your vehicle. Stealth Bulbs create a clean integrated look that will set your Volvo apart from the crowd! The exclusive chrome finish provides the ultimate in stealth appearance compare to the competitions painted silver bulbs.

Every Stealth bulb is Made In The USA and backed with an unparalleled lifetime guarantee. High quality long life bulbs and proprietary metallic coatings applied by a world renowned NASA contractor provide years of world class performance.

850 and 70 series rear turn signal	**MQ7507S**	$29.95 pr
850 front turn signal and parking lamp	**MQ1157S**	$29.95 pr
S&V 70 1998-2000 front turn signal bulb	**MQ3357S**	$29.95 pr
All Volvo single element side marker lamps	**MQ194S**	$29.95 pr